

ASIA – PACIFIC LEGAL METROLOGY FORUM

Fifteenth Meeting Report

October 22 – 24, 2008

Crowne Plaza, Hunter Valley, NSW, Australia



15th Asia-Pacific Legal Metrology Forum Meetings

October 22 – 24, 2008

Hosted by the National Measurement Institute, Australia (NMI), Department of Innovation, Industry, Science and Research, Australia, the 15th APLMF meetings were held from October 22nd through 24th, 2008 at the Crowne Plaza, Hunter Valley, NSW, Australia. The Meetings were attended by delegates from full member economies and nine guests from South Pacific island economies as well as the international and regional organizations.

Published by:

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List of Participants

Table 1-1 Hosts

Australia	Dr. Grahame Harvey	National Measurement Institute Australia(NMIA)
	Mrs. Marian Haire	National Measurement Institute Australia(NMIA)
	Dr. Richard Brittain	National Measurement Institute Australia(NMIA)
	Mr. Adrian Caster	National Measurement Institute Australia(NMIA)
	Dr. Angela Samuel	National Measurement Institute Australia (NMIA)/ APMP

Table 1-2 President and Secretariat

Acting President	Mrs. Kong Xiaokang	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
Secretariat	Ms. Zheng Huaxin	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Mr. Guo Su	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Dr. Zhang Chao	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)

Table 1-3 Full Member Economies

Australia	Dr. Valerie Villiere	National Measurement Institute Australia(NMIA)
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Australia	Dr. Grahame Harvey	National Measurement Institute Australia
	Mrs. Marian Haire	National Measurement Institute Australia
	Mr. Adrian Caster	National Measurement Institute Australia
	Dr. Richard Brittain	National Measurement Institute Australia
Canada	Mr. Alan Johnston	Measurement Canada / Organisation Internationale de Metrologie Legale (OIML)
People's Republic of China	Mr. Han Yi	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Mr. Liu Xinmin	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Mr. Han Jianping	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Ms. Ding Zhiyin	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Mr. Wu Fangdi	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
	Mr. Yang Youtao	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
Indonesia	Mr. Cecep Mufti Cahyana	Directorate of Metrology(DoM)
	Mr. Rifan Ardianto	Directorate of Metrology(DoM)
	Mr. Bambang Setiadji	Metrology Training Center, Ministry of Trade
	Mr. Deden Muhammad F.S	Metrology Training Center, Ministry of Trade

Indonesia	Mr. Permadi	Metrology Training Center, Ministry of Trade
Japan	Mr. Masayuki Ishikawa	Ministry of Economy, Trade and Industry (METI)
	Dr. Akira Ooiwa	National Metrology Institute of Japan (NMIJ), AIST
	Mr. Kazuo Neda	National Metrology Institute of Japan (NMIJ), AIST
	Dr. Tsuyoshi Matsumoto	National Metrology Institute of Japan (NMIJ), AIST
Malaysia	Mr. Mohd Roslan bin Mahayudin	Ministry of Domestic Trade and Consumer Affairs
	Mr. Peter J. Berinus Agang	Ministry of Domestic Trade and Consumer Affairs.
	Mr. Chen Soo Fatt	National Metrology Laboratory, SIRIM Berhad / ASEAN
	Dr. Wan Abd Malik Wan Mohamed	National Metrology Laboratory, SIRIM Berhad
New Zealand	Mr. Stephen O'Brien	Measurement and Product Safety Service, Ministry of Consumer Affairs
	Mr. Brian Waltham	Measurement and Product Safety Service, Ministry of Consumer Affairs
Papua New Guinea	Mr. Victor Vaporoketo Gabi	National Institute of Standards and Industrial Technology(NISIT)
Singapore	Mr. Michael Ong	SPRING Singapore
	Ms. Lena Soh Mei Lin	SPRING Singapore
	Mr. Teoh Seng Eng	Mogas Flow Lab Pte Ltd

Chinese Taipei	Mr. Brian C.S. Shu	Bureau of Standards, Metrology and Inspection (BSMI)
	Ms. Meggie Mei-chen Chu	Bureau of Standards, Metrology and Inspection (BSMI)
Thailand	Mr. Veerasak Visutthatham	Ministry of Commerce
	Mr. Sakchai Hasamin	Ministry of Commerce
United States of America	Dr. Charles David Ehrlich	National Institute of Standards and Technology (NIST)
Viet Nam	Mr. Tran Van Vinh	Directorate for Standards and Quality (STAMEQ)
	Mr. Nguyen Hung Diep	Directorate for Standards and Quality (STAMEQ)

Table 1-4 Honorary Member

Australia	Mr. John Birch AM	APLMF Honorary Member
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Table 1-5 International / Regional Organizations / Observers

APMP	Dr. Angela Samuel	National Measurement Institute, Australia
OIML	Mr. Jean-François Magana	Bureau International de Métrologie Légale (BIML)
	Mr. Willem Kool	Bureau International de Métrologie Légale (BIML)
PASC	Mr. Colin Douglas Blair	Standards Australia
PIF / Fiji	Mr. M Lototele	Pacific Islands Forum Secretariat

PIF / Nauru	Mr. Delmoran Ratabwiy	Justice & Border Control
PIF / Samoa	Ms. Gladys Fuimaono	Government of Samoa Ministry of Commerce, Industry and Labor
PIF / Solomon Islands	Mr. Oliver Bikimoro Jino	Consumer Affairs
PIF / Tonga	Ms. Pauline Langi Palometa	Price Control & Weight and Measures Division, Ministry of Labor, Commerce and Industries
PTB	Dr. Ulrich Diekmann	Physikalisch-Technische Bundesanstalt (PTB)
WELMEC	Ms. Nataša Mejak Vukovič	European Cooperation in Legal Metrology WELMEC

Welcome Address by Dr. Grahame Harvey, Honorary Chairman

I would like to begin by acknowledging the traditional custodians of the land we are meeting on.

It is indeed a great honor for the NMIA to host the 15th APLMF meeting in the Hunter Valley, Australia. This is the second time that the forum has met in Australia. The first time was the inaugural meeting in Sydney in 1994.

The prime instigator for that meeting and for the establishment of the Forum was Mr John Birch who is with us today and is our Honorary Member.

Australia's legal metrology has undergone some significant changes in recent times. Our three former metrology organizations, the National Measurement Laboratory, the National Standards Commission, and the Australian Government Analytical Laboratories, came together in 2004 to form a single national metrology body, the National Measurement Institute, Australia (NMIA).

NMIA is responsible for Australia's national infrastructure in physical, chemical, biological, and legal measurement. Bringing together these measurement fields into a single organization provides synergies and opportunities to solve measurement problems, drawing on all these disciplines. Examples where these synergies become important include environmental measurements, nanotechnology, and quality measurements in trade (such as protein content of grain and the sugar content of cane sugar).

Australia is currently changing the way that trade measurement operates in this country. At present, trade measurement is administered by individual Australian State and Territory governments. There are national committee structures to attempt to harmonize the way trade measurement operates. However, despite adopting uniform trade measurement legislation in the 1990's, there are still significant differences in the way the legislation is interpreted and administered. This leads to unnecessary regulatory burdens on business, especially those that operate in more than one jurisdiction.

In 2007, the Australian Government took the decision to introduce a national system of trade measurement. The legislation for our new national system was introduced into Australia's Federal Parliament on 24 September and will be debated on 24 October. NMI has been given responsibility for implementing the transition to a national trade measurement system beginning on 1 July 2010, and for administering the system beyond that date. The move to a national system has strong industry support particularly for the introduction of an average quantity system for pre-packaging.

Australia holds both the APLMF regional organization and the OIML in the highest regard and actively participates in the work of both organizations. With the increasing pace of technological development, there will be increasingly significant roles for both organizations to harmonize international and regional requirements in order to underpin trade.

Training has been the main output of the APLMF since its formation. Through the Working Group on Training Coordination led by Mrs. Marian Haire, Australia has been a strong contributor to this activity and the work of the APLMF.

Signatories to OIML Convention and morally obliged to adopt OIML recommendations or model regulation as national regulations. In this regard, Australia has gone further than good intentions and has written OIML into its measurement legislation. Australia's National Measurement Act requires that the Minister with responsibility for legal metrology must be satisfied before proposing any new regulation governing pattern (or type) approval of measuring instruments that it is not inconsistent with specifications published by OIML.

The NMIA is committed to assisting developing economies in the Pacific region. On this occasion, and in conjunction with PTB, an APLMF Workshop on Legal Metrology Needs of South Pacific Regional Economies is being held prior to the APLMF meetings.

Australia is hosting meetings of APLMF and OIML in consecutive weeks, as is traditional for a country that is a member of both organizations. Rather than hold both meetings in Sydney, the NMIA saw this as an opportunity to show APLMF members something of life in rural Australia.

The Hunter Valley was settled in the early 1800's and was initially a mixed farming area. Some grapes were sown and eventually came to dominate the agriculture of the area. This is one of the most famous wine making areas in Australia and today the area is dominated by wine-making and tourism. To the North of the Hunter is horse stud and grazing country and west is open-cut coal mining and further west is the wheat belt where wheat and other grains are grown on extensive plains.

In conclusion, the NMIA wishes you a very productive meeting and hopes that you enjoy your stay in the Hunter Valley. I would now like to call on Mr John Birch to welcome you back to Australia and provide his perspective on the development of APLMF.

Welcome Address by John Birch AM, Hon Member

I am delighted to have the opportunity to welcome members to the 15th meeting of the APLMF.

The first APLMF meeting was held in Sydney from 27-30 November 1994 and a few members who are here to-day were also at that meeting. In particular Alan Johnston from Canada, Veerasak Visutthatham from Thailand, Dr Harvey and myself from Australia and Oliver Bikimoro from the Solomon Islands who was an observer at that first meeting and is again an observer at this 15th meeting. I congratulate all of these members on their constancy.

Whilst PASC had been established in the 1960's, APMP in the 1970's and APLAC IN 1987,

there was no regional legal metrology organization. The impetus to establish one arose from the establishment of APEC in 1989 at a meeting in Canberra and in 1994 the establishment of the APEC Standards and Conformance Sub Committee. The other three regional organizations were contributing to the APEC Free Trade Agenda and it was felt that legal metrology should also make its contribution.

Thirty delegates from fourteen economies attended that foundation meeting as well as representatives from BIML, APMP and APLAC and observers from six Pacific Island countries. The meeting established criteria for membership of the Forum and adopted nine objectives and a work program for 1995-1998.

In 1996 the late Dr Knut Birkeland conducted a survey for the Forum on the Legal Metrology Technical Infrastructure Needs in Asia Pacific Developing Economies. The fifteen recommendations in that report, which included recommendations on rice moisture measurement and medical measurements formed the basis of our program for the next decade.

In the past fourteen years the Forum has developed a substantial training program, and published three editions of the Directory of Legal Metrology in the Asia Pacific. The annual meetings of the Forum of which this is the Fifteenth perform an important information exchange function between member economies.

Leadership of the Forum was transferred from Australia to Japan at the end of 2002 and new programs responding to regional needs were developed Last year China accepted the leadership of the Forum and over the past twelve months has continued and expanded existing programs.

I believe we have every reason to be proud of the achievements of the Forum and its contribution to regional and global metrology I welcome you to this 15th meeting, which I am confident, will be as productive as usual.

Opening Address by Mrs. Kong Xiaokang, the APLMF Acting President

Ladies and Gentleman,

Good Morning!

As the acting president of APLMF, on behalf of Mr. Pu Changcheng, APLMF President, I have the privilege to welcome all participants from member economies and international and regional organizations coming to the 15th APLMF Meeting in Hunter Valley, Australia. Taking this opportunity, I want to express my appreciation to National Institute of Metrology of Australia for hosting the 15th APLMF Meeting.

As we all know, in Asia Pacific region, there is a population of around 2.6 billion. The GNP of this region exceeds 19 trillion US dollars and the total trade volume of this region accounts for 48% of that of the world. Especially since entering the 21st century, the Asia Pacific Region becomes the most dynamic region with fastest economic growth. Legal metrology is widely recognized as an indispensable foundation to sustain sound economic development, assure fair trade, remove technical barriers, safeguard human health and safety, and protect the environment. APLMF, as a grouping of legal metrology authorities, is playing an increasingly important role in accomplish the desired objectives.

Today, I am very pleased to see 54 participants from 13 economies attending this Forum Meeting and will discuss the APLMF Strategy and Work Program and other issues concerned. I believe, this meeting will provide a good platform to exchange ideas and share information and experience among member economies.

At the 14th APLMF Meeting held in Zhouzhuang in October 2007, China assumed the presidency as well as the responsibility of the Secretariat. Over the past year, with great support and active participation of all economies, APLMF activities are going very well. The APLMF Strategy has been revised and the Work Program is being carried out smoothly. A number of surveys have been conducted to identify the needs of member economies in legal metrology. Several Guidelines have been drafted for developing economies to build legal metrology infrastructure. Useful information is being shared among member economies. Four Training Courses have been organized in PR China, Thailand, Chinese Taipei, and Vietnam, with participation of 93 trainees from 16 economies and fruitful results have been achieved. I believe, all member economies have benefited from participation in the above-mentioned activities.

As we all realize that there is considerable difference between Asia Pacific economies in terms of laws and regulations, technical infrastructure and administration system, we need to identify priority areas of common interests. Meanwhile APLMF is facing challenges to carry out many activities with very limited resources. So it is important to enhance the cooperation between economies and other international and regional organizations to seek more funding and technical support, so as to enable APLMF to run effectively.

For the next two days, I will chair the Forum Meeting with assistance from Dr. Grahame

Harvey, the Honorary Chairman.

I sincerely hope that all participants will give inputs to the future development APLMF on the basis of seeking common ground while respecting the difference, with the aim to contrite to sustainable economic growth, fair trade, trade facilitation, and social harmony.

I wish the meeting a full success.

3. Roll Call

Mr. Guo Su took a roll call of the participants. 54 delegates from 13 member economies were present as well as nine guests from the International Organization of Legal Metrology (OIML), the European Cooperation in Legal Metrology (WELMEC), the Pacific Islands Forum (PIF) and Physikalisch-Technische Bundesanstalt (PTB). In addition, three APLMF delegates represented their Special Regional Bodies (SRBs) / Regional Metrology organizations (RMOs) namely the Asia-Pacific Metrology Programme (APMP), the Pacific Area Standards Congress (PASC) and the Association of Southeast Asian Nations (ASEAN).

The member economies present were: Australia, Canada, P.R China, Indonesia, Japan, Malaysia, New Zealand, Papua New Guinea, Singapore, Chinese Taipei, Thailand, USA and Viet Nam.

4. Confirmation of the report of the 14th APLMF Meetings

The report of the 14th APLMF Meetings was approved without modification.

5. Report of the APLMF President (A15-5)

Mrs. Kong Xiaokang, the Acting President, gave an introduction to APLMF, a report of APLMF status in 2008.

The APLMF Presidency and Secretariat were carried by Japan from 2002 to 2007. From October 2007 upon the completion of the 14th APLMF Meetings, AQSIQ has taken over the Presidency and Secretariat and has carried the responsibility with the following staff:

- Mr. Pu ChangchengPresident
- Ms. Zheng Huaxin.....Secretary
- Mr. Guo SuSecretary
- Dr. Zhang ChaoSecretary
- Mr. Li JinsiSecretary(resigned)

During this period, great efforts have been made by the colleagues both in China and Japan to enable the successful transfer of all aspects including documents, website, financial account and more importantly, the experience.

The cooperation and information exchange with other metrology organizations are essential for the APLMF operation; thus, the APLMF has worked closely with international organizations, Special Regional Bodies (SRBs) and Regional Metrology Organizations (RMOs) such as APEC SCSC, OIML, APMP, APLAC, PAC, PASC, WELMEC, SIM and ASEAN by giving the APLMF report to their annual meetings. Due to the international network as well as the training courses in the Asia-Pacific region, the APLMF activities have been internationally well recognized inside and outside the APLMF members. Moreover, some economies have shown their interest in joining the APLMF members.

As one of the main APLMF activities, there is a training course project. This project is

jointly run with the APEC SCSC which has provided the APEC Trade and Investment Liberalization and Facilitation (TILF) fund. The President and other APLMF delegates actively participated in the APEC SCSC meetings: 1st meeting in Lima and 2nd meeting in Cusco for 2008. The main purpose of attending these meeting is to promote the APLMF activity and acquire the APEC TILF fund. At these meetings, APLMF has emphasised the importance of giving priority to harmonization of legal metrology in the Asia-Pacific region. Currently, the APEC's main interest in legal metrology is focused on the food safety and energy etc. In line with this APEC's interest, APLMF has also started a training course project on metrology on energy, measurement instrument, medical measurement, occupational safety and health, measurement procedure and food safety. It was suggested that all members provide comments on such topics in order to prioritize two or three for the 2009 APLMF strategy. On the other hand, APLMF is also considering other possible funding sources for the training project such as APEC Support Fund (ASF), UNIDO(U.N. Industrial Development Organization) and ADB(Asian Development Bank). This consideration is due to the difficulty in acquiring APEC TILF fund for the repeated training course on the same topics. For instance, APLMF has previously conducted several training courses on electricity meters, prepackaged goods, fuel dispensers, etc. Although demand amongst members for repeated training or more advanced training in these subjects is high, it is difficult to justify such repetition to APEC.

At the end of the report, Mrs. Kong Xiaokang expressed her sincere appreciation to all the member economies, WG Chairs and the APEC Secretariat for their contribution to the APLMF activities.

6. Report of the APLMF Secretariat (A15-6)

6.1 Activity of the APLMF Secretariat (A15-6-1)

Mr. Guo Su presented a presentation explaining the list of APLMF activities conducted since the 14th APLMF Meetings up until the 15th APLMF Meetings.

Year	Mon	Day	Items	Actions Taken
2007	Nov.	1-2	APMP: General Assembly	The Secretariat submitted a report to the APMP GA held in Sydney, Australia. But no APLMF representative attended the meeting.
		13-16	Training Course on CNG Fuel Dispensers	Training Course on CNG Fuel Dispensers was held in Shah Alam, Malaysia.
2007	Dec.	3	Season's Greeting	Greeting cards were sent to the members and related organizations.
		3	Membership Fee for 2008	The invoice of the APLMF Membership Fee for 2008 was sent to the full members.

		17-19	Secretariat Transition	Former President and Secretariat staff of NMIJ visited the new Secretariat office at AQSIIQ for the operational confirmation.
		Late	Event Survey	Secretariat asked all member economies for a list of events on metrology to be conducted in the year 2008.
2008	Jan.	Early	14th Meetings: Final Report	The Final Report (minutes) of the meeting was published and sent to the member economies.
		Late	Training Course on CNG Fuel Dispensers	The APEC Report for the training course in 2007 titled "Handbook on CNG Fuel Dispensers" was published and sent to the members and the participants.
2008	Feb	Early	Publication of Handbook	"Handbook on Metrology of Agricultural Products and Foods" was published and sent to the member economies and the training course participants.
		Early	Training Course on NAWI (Non-automatic Weighing Instruments)	The Train the Trainer Course on the Verification of Mechanical Weighing Scales was open for registration.
		14	Invitation to PASC 31 meeting in Shanghai	APLMF Secretariat received an invitation to the PASC meeting which would be held in Shanghai in April 2008.
		20-28	Attend the APEC SCSC meeting	The President and a secretary attended the APEC SCSC meeting and APEC SRBs to be held in Lima, Peru
		22	APLMF Fee Payment	Secretariat confirmed the bank account information of all full member economies in respect to the payment of APLMF membership fee for 2008.
2008	Mar	5	APEC Peru Meeting	The 5 SRBs sponsored a special conference held on 11th-12th August in Cusco, Peru. PASC and APLMF were responsible for selecting the speaker for the topic of Energy Measurement and Management.
		6	Change of Website Password	The ID and password for the APLMF members-only web pages have been changed.
		7	Change of WG Chairperson	Prof. Li Qingzhong was assigned as the Chairperson of the Working Group on Metrological Control Systems, and the contact information was available on our website.

	10	Training Course on Mechanical Weighing Scales	The final APEC report of the Train the Trainer Course on the Verification of Mechanical Weighing Scales, which was held on Sep. 25-28, 2007 in Ho Chi Minh City, Viet Nam, was uploaded on our website.
	10	Training course on Non-Automatic Weighing Instrument	The Train the Trainer Course on the Verification of Mechanical Weighing Scales was held at the Cholchan Pataya Resort in Pattaya, Thailand on May 13th-16th 2008
	11	Survey on Events	Survey on events was sent to all member economies
	12-13	Former Secretariat visited New Secretariat	Former Secretariat staff of NMIJ visited AQSIQ and discussed with new Secretary regarding matters on financial, training course organizing, publishing procedure and website maintenance.
	14	APLMF Survey on MRAs	Draft of the survey on MRA (Mutual Recognition Arrangements) was sent to the APLMF Secretariat from the Working Group on MRAs, as was discussed at the 14th Forum Meeting in Zhouzhuang.
	14	Minutes of 14th Forum meeting	The 2nd draft minutes of 14th Forum meeting was uploaded on our website.
	17	Workshop on Quality Measurements of Agriculture Products and Product Safety	Calling for speakers and registration to the Workshop on Metrology in Food Safety, Agriculture Products and Product Safety in P.R China, in June 4-6, 2008, was started.
	18	Training Course on Verification of Mechanical Weighing Scales	The program for the Train the Trainers Course on the Verification of Mechanical Weighing Scales was shown on the website
	20	Invitation to the 2008 PAC Plenary meetings	The Secretariat submitted a report to the PAC meeting held in Kuala Lumpur, Malaysia from June 21 to 28, 2008. But no APLMF representative attended the meeting.
	Late	Change in WG Chairperson	Mr. Li Qingzhong, Professor, the chairperson of WG on Metrological Control Systems (WG on MCS) had resigned due to his health condition. Mr. Yang Youtao, Senior Engineer had been chosen as the new chairperson of WG on MCS, the contact information was available on our website.

2008	Apr.	5	Seychelles's Idea to Become a Member of APLMF	The Republic of Seychelles represented by Mr. Charles Celestine of the Seychelles Bureau of Standards requested further information in regards to membership of the APLMF. Also they were seeking for support to the economies in Africa or Asia-Pacific Region about the idea to become a member of the APLMF.
		18	Seminar on Automated Sphygmomanometers	The draft program of the seminar in Chinese Taipei had been confirmed by BSMI.
		22	Change in contact person	Malaysia: New contact: Mr. Abdul Rashid Zainal Abidin (new Senior General Manager of SIRIM) Replaced with : Mr. Md Nor Md Chik
		22	Send Report of APLMF to APLAC	APLMF Secretariat sent the report to APLAC Secretariat, Ms. Janet Clark for their GA.
		24	Attending PASC Meeting	APLMF Secretariat staff, Ms. Zheng Huaxin and Mr. Li Jinsi attended the PASC 31st meeting, 21-24 April 2008, Shanghai, P.R China.
		26	Survey on Goods Packed by Measure	APLMF Survey on Goods Packed by Measure for 2008-2009 was sent to member economies.
2008	May	6	15th APLMF Meetings Invitation	The invitation to the 15th APLMF Meetings, to be held on October 22-24, 2008 in Hunter Valley, Sydney, Australia, was sent to the member economies.
		Early	59th Circular	Circular No. 59 was published and sent to all member economies and related organizations.
		9	Training Course on Automated Sphygmomanometers	The Training Course on Automated Sphygmomanometer in June in Chinese Taipei was open for registration.
		12	Handbook on Mechanical Weighing Scales	The Handbook on Mechanical Weighing Scales had been send to all APEC/APLMF members.
		13-16	Training Course on Verification of Mechanical Weighing Scales	Train the Trainer Course on Verification of Mechanical Weighing Scales was held at the Cholchan Pataya Resort in Pataya, Thailand. Over 38 participants including 2 trainer from Japan and 28 trainees from 7 economies attended the training course.

		15	Send Report of APLMF to PAC	APLMF Secretariat sent the report to PAC Secretariat, Ms. Belinda Mort for their GA.
		17	Certificate to APEC	A certificate claiming for the funds used for the Training Course in Thailand was sent to the APEC Secretariat.
		17	Condolence letter to Sichuan Province for their damage by the earthquake	The APLMF Secretariat received letters from member economics which conveyed condolence to the people and government of P.R. China for the devastation and suffering caused by the earthquake in Sichuan Province. The APLMF Secretariat sent the letters of condolence to the Chinese colleagues on behalf of all member economics.
2008	Jun	2-7	Workshops on Metrology in Food Safety, Agricultural Products and Product Safety	The Workshops on Metrology in Food Safety, Agricultural Products and Product Safety was held on in Hangzhou, PR China. Over 70 participants including 32 experts from 13 economies attended the workshop.
		4	60th Circular	Circular No. 60 was published and sent to the member economics and related organizations.
		12	Seminar on Water Meters	The outline of the Seminar on water meters was confirmed by the Chairperson of Working Group on Utility Meters and the host in Vietnam.
		20	Reminder of 2008 membership fee	Reminded the full member economics of paying the 2008 membership fee to the APLMF Secretariat. By the 15th Forum Meeting, the APLMF Secretariat had received 2008 membership fee from 9 economies.
		20	APLMF 2009 SCSC Project	Prepared for APEC Project Proposal in Legal Metrology for the fund in 2009.
		24	APLMF 2009 SCSC Project	China has drafted the project 'Seminar and Training Courses in Legal Metrology' to get a 2009 APEC-TILF fund and a proposal was submitted to the SCSC meeting for ranking. An email was sent to ask the support from member economics.
		23-27	Training Course on Automated Sphygmomanometers	The Training Course on Automated Sphygmomanometers was held in Taipei, Chinese Taipei. 23 trainees from 10 economies attended the seminar.

2008	Jul.	1	New staff in APLMF Secretariat	An announcement was made concerning the new staffs in APLMF Secretariat. They were Ms. Zheng Huaxin, Mr. Guo Su and Dr. Zhang Chao
		1	15th APLMF Meetings website opened	Registration to the 15th APLMF Meetings was open. The meetings details and registration form can be retrieved from the Meetings website.
		3	Certificate to APEC	A certificate claiming for the funds used for the Training Course in Chinese Taipei was sent to the APEC secretariat.
		7	Training Course on Water Meters	The draft program was confirmed by the trainers and host.
		10	Appreciation Letter to Thailand	Appreciation letters were sent from APLMF President to the colleagues of CBWM (Central Bureau of Wight and Measures), Thailand for their excellent contribution to the training course.
		12	APLMF 15th Meeting Website	The APLMF 15th Meeting website had been built up.
		14	Appreciation Letter to Chinese Taipei	Appreciation letters were sent from APLMF President to colleagues of BSMTI, Chinese Taipei for their excellent contribution to the training course.
		23	Training Course on Water Meters	The invitation was sent to the members.
		23	Issue on Increasing Membership fee	An email was sent to explaining the need for increase of membership fee from 2009 and requested endorsements from the member economies.
		25	Passing away of Mr. Ronald Paita.	Mr. Ronald Paita, Director General of National Institute of Standards & Industrial Technology (NISIT) in Papua New Guinea, passed away. APLMF Secretariat offered their condolence to his colleagues and family.
28	Handbook	Secretariat applied for ISBN numbers of the APEC handbooks (CTI 12/2008T) based on a request from the APEC Secretariat.		

		29	APLMF 2009 SCSC Project	The revised proposal form of the APLMF 2009 SCSC project on training courses in legal metrology was uploaded to the APEC Project Database.
2008	Aug	11	Training Course on Water Meters	A reminder of registration to the Training Course on Water Meters was sent to all APEC/APLMF member economies.
		13	Certificate to APEC	A certificate claiming for the fund used for the Training Course in Chinese Taipei was sent to the APEC secretariat.
		18	APLMF 15th meeting Reminder	A reminder for submitting the Working Group Report, Organization Report and/or Economy Report was sent to all members.
		19	16th APLMF Meeting Host	APLMF sent an email to encourage and welcome voluntary proposal from member economies to host the 16th APLMF Meeting.
		22	Change in contact person	Mexico: New contact: Mr. Hector Alejandro Espindola-Diaz (Director of Metrology, DGN, Ministry of Economy) Replaced with : Mr. Sanchez Abalca
		22	Change in contact person	Chile: New contact: Ms. Carolina Ramirez, Adviser on Technical Barriers to Trade, Market Access Department, General Directorate of International Economic Affairs, Ministry of Foreign Affairs Replaced with : Ms. Ana Maria Vallina
		26	15th APLMF Meeting EC topics	Collected suggestion of APLMF Award Nominees from EC member for further discussion.
		26	SWG Product Delivered	Delivered a CD1 (Committee Draft) of SWG3, made by Mr. Yang Youtao, Chairperson of the Working Group on Metrological Control System, as a outcome of the SWG Meeting held in Hangzhou in June, titled "The selection and use of certified reference materials for legal metrological control in food safety & agricultural products." This draft was also uploaded on our website.

		29	Handbook on VMWS	An electronic version of Handbook on The Verification of Mechanical Weighing Scales was delivered to the press.
2008	Sep.	3	Handbook on Automated Sphygmomanometers	An electronic version of Handbook on Automated Sphygmomanometers was delivered to the press
		5	APLMF Report to APLAC	The activity report of APLMF was sent to APLAC
		5	Survey on Training Needs	All collected feedbacks to the survey on training needs were sent to the Chair person of WG on Training Coordination.
		8	15th APLMF meeting Reminder	A reminder of registration to the 15th APLMF meeting was sent to all member economies, WG, SRB and RLMOs.
		8	Survey Feedback on MRA	All collected survey feedbacks were sent to the Chair person of WG on MRA.
		10	15th APLMF Meeting	The topics to be discussed in EC Meeting were sent to all EC members for comments.
		11	Request reply for Increasing Member fee	An email was sent to all member economies requesting responses to the proposal by the President concerning the increase of membership fee.
		12	Reminder of Survey on Training Needs	A reminder to the survey on training needs was sent to all member economies.
		12	Information regarding PTB SRB Project 2008-2012	A new four-year PTB project in support of the developing economy members of the APEC Specialist Regional Bodies (SRBs) is approved, APLMF will have a delegate to join in a discussion between SRBs.
		23-26	Training Course on Water Meters	The Training Course on water meters was held at the Thang Loi Hotel in Hanoi, Vietnam. 31 participants include 3 trainers and 20 trainees from 10 economics participated in this seminar.
30	APEC SCSC proposal	APLMF Secretariat revised the 2009 project proposal according to the APEC Secretariat's comments and uploaded a revised proposal on the APEC member's website as required.		

2008	Oct.	6	Issue on Increasing Membership fee	The APLMF President sent a reminder email concerning the increase of membership fee to all full member economies asking for their endorsement.
		6	Certificate to APEC	A certificate claiming for the funds used for the Training Course in Vietnam was sent to the APEC secretariat.
		6	Change in contact person	Republic. Korea: New contact: Mr. Sek-Wang LEE (new Director of Metrology and Measurement Division KATS) Replaced with : Mr. Yoo-Tae JUN (retired)
		7	15th APLMF Meeting Reminder	A remind of registration, report and flight schedule of APLMF meeting was sent to all member economies, WG, SRB and RIMOs.
		8	15th APLMF Meeting	APLMF Award Nominees has collected from EC members.
		9	Confirm Member fee of 2008	All member fee of member economies for 2008 were confirmed.
		10	15th APLMF Meeting	All materials collected were sent to the host for print.
		15	Handbooks	Handbooks of training courses on verification of mechanical weighing scales, metrology in food safety, agricultural products and product safety and auto sphygmomanometers workshop were mailed to all member economies and APEC Secretariat.

6.2 Membership of the APLMF

Mr. Guo Su made a confirmation of the member delegates along with the new contact persons who joined the APLMF membership in 2008. The new members are as follows:

- ◆ Mr. Han Yi.....P.R China
- ◆ Mr. Sek Wang LeeRepublic of Korea
- ◆ Mr. Abdul Rashid Zainal Abidin.....Malaysia
- ◆ Ms. Meggie ChuChinese Taipei
- ◆ Ms. Carolina Ramirez JoignantChile
- ◆ Mr. Hector Alejandro Espindola-DiazMexico

6.3 Membership Fee

Dr. Zhang Chao stated that the membership fee structure for 2008 remained the same as last year's. Regarding the increase of membership fee from 2009, it has been approved in the full member session.

7. Presentation nominated by the host economy

Ms. Mishael J of Department of Resources, Energy and Tourism made a presentation titled “Smart Meters - Transforming Australia's Energy Market.” Her presentation covered:

1. Electricity supply system
2. Australia's Energy Market
3. System of control for metering
4. Smart Meters
5. Functionality
6. Transformation in the market

8. Activities of the Working Groups (W15)

8.1.1 WG on Training Coordination (W15-2)

Mrs. Marian Haire, the Chair, reported the training schedules for the APEC/APLMF program 2009-2010. She also emphasized that the member economies should ask their relevant APEC representatives to support and vote for APLMF training proposal. As of the close of the APLMF meeting, the tentative schedule for 2009 training project is as follows:

Training Title	Host Economy	Trainers/Speakers	Timing
Workshops on Metrology in Food Safety, Agricultural Products and Product Safety *	Vietnam	APLMF economies	TBA
Training course on gas meters**	China	Canada	TBA
Workshop on metrology of speed meter**	Chinese Taipei	APLMF economies	TBA
Training course on electricity meters**	Malaysia	China and other	TBA
Training course on Pre-packed good**	Singapore	New Zealand	TBA

* Approved 2008 training project

** Proposed 2009 training project

A couple of training proposal for 2010-2011 was put forward by Singapore and Malaysia. Singapore proposed to have high capacity flow meter and mass flow meter training courses based on their survey return. Also Singapore would like to host the mass flow meter training course. In terms of high capacity flow meter training course, he suggested the Japan might consider the possibility to contribute to the training course since Japan has very good

facilities for that. Japan replied that they will contact the specialist in flow metrology and think about the cooperation.

Malaysia proposed to have the follow-up water meter training course in 2010-2011, with particular focus on practical aspect of calibrating the water meter in accordance with the OIML recommendations. Malaysia is currently setting up water meter calibration facilities and would like to host this water meter training course as part of the 2010-2011 training program.

Thailand proposed to conduct a rice moisture meter training course in 2010-2011 since it is very important in the region and would like to host this training course.

Vietnam proposed to carry out the workshop on testing software controlling measurement instrument in 2010.

8.1.2 WG on Goods Packed by Measure (W15-3)

Mr. Brian Waltham gave a summary of 2009 WG Activities agenda as follows.

1. Distribute current updated register of contacts for Work Group
2. Continue to obtain survey results of APLMF Member Economies on their current legislation for goods packed by measure. The survey will be resent to those economies who have not responded.
3. Conducting training course on practical aspects of conducting IQ inspection, testing package with volume and/or mass.
4. Continue discussions with WELMAC and SADCMEI on strategic issues relating to goods packed by measure and update information received from WELMAC, SADCMEI and OIML TC6 when they are received by the Work Group Chair.
5. Continue collaboration and report on the work of OIML Technical Committee 6 on Pre Packaged Products in relation to an International Quantity Mark (IQ) scheme and Revision OIML R79, R87, R138.

8.1.3 WG on Utility Meters (W15-4)

Mr. Alan Johnston on behalf of Mr. Gilles Vinet, the chair, gave a summary report of the WG's meetings held on the previous day. At the WG meetings, he reported the water meter training course held in Vietnam in Sept. 2008. Also, he updated the OIML activities of TC/SCs on various utility meters including electricity meters, water meters and natural gas meters.

As for the work plan for 2009, the WG is planning to hold the two training courses on utility meters (gas meter and electric meter) in cooperation with the WG on Training Coordination and APLMF Secretariat. Follow the OIML works related to utility meters and inform the APLMF member economies will also be continued next year.

8.1.4 WG on Mutual Recognition Arrangements (W15-5)

Dr. Charles Ehrlich, the chair, presented four work plans for 2009 together with the suggestions given by the members at the WGs Meeting held on 22nd.

He briefly summarized the work items discussed in the WGs meetings. Concerning the MAA, there will be the four resolutions discussed at OMIL meeting in Sydney. In terms of survey, the working group discussed future actions of the survey and would seek the possibility to create the small work group on the surveys. Dr. Ooiwa and Dr. Matusmoto would like to take on the responsibility to prepare the first draft of next version of broad survey and to incorporate ideas discussed in the WGs meetings and distribute in the next year.

For the 2009 work plan, the WG would seek:

1. To continue supporting the OIML work on implementation of Mutual Acceptance Arrangement (MAA) and not to develop a regional MAA.
2. To monitor ways in which the APLMF member economies can participate in the OIML MAA.
3. To contribute an OIML MAA implementation update report to the Circular.

The latest report has been submitted for the Circular 61, which was co-authored by the BIML MAA representative, Mrs. Regine Gaucher.

4. To revise a questionnaire to the members whether they are willing to accept OIML certificates that are issued on the basis of using test data provided by manufacturers.

8.1.5 WG on Medical Measurement (W15-6)

Mr. Brian Shu of Bureau of Standards, Metrology and Inspection (BSMI) gave a WG report on behalf of the chair, Dr. Jay-San Chen.

According to the introduction the background, measurement principle and advantage of ear thermometers at WGs meeting on the previous day, the WG will conduct an ear thermometer survey in 2009. The survey results will be collected and the outcomes will be reported in the next year meeting.

Due to the broad range for traffic meters such as taxi meters, speed meters, breath analyzers and so on in , He also suggested since this is the first time to conduct the workshop on the traffic metrology, the content may be limited only to speed meters instead of covering all areas of traffic meters.

8.1.6 WG on Quality Measurement of Agricultural Products (W15-7)

Dr. Tsuyoshi Matsumoto, the chair, gave a report on the activities in 2008 and action plans for 2009 as followings.

1. The second Workshop in 2008

The WG organized the second workshop titled as “Workshop on Metrology in Food

Safety, Agricultural Products and Product Safety” on 4-6 June, 2008 in Hangzhou, PR China in cooperation with the Secretariat, WG on Training Coordination, WG on Metrological Control Systems and the host economy.

2. Plan and organize the third Workshop in 2009

The WG will continue discussion on basic concept of the third workshop to be held in 2009 in Vietnam. The WG pointed out that the scope of the second workshop was too broad, and proposed to put more weight on the fields in legal metrology those are closer to APLMF and executable for APLMF.

3. Contribution to the OIML TC17/SC1 and SC8.

The WG will continue to monitor the activities of SC1 and SC8 in order to harmonize the activities in OIML and APLMF. He also reported that Japan has been dispatching delegates to the meetings of OIML TC17/SC1 and SC8.

4. Discussion on programs on grain moisture measurement

Programs for training (or intercomparison) on grain moisture meters are still requested by the member economies. A common protocol for measurement is needed since metrological control on moisture meters is different among the member economies.

The WG will continue a discussion to find out a possibility to develop training programs with the member economies, WGs and Secretariat.

8.1.7 WG on Metrological control systems (W15-8)

Mr. Yang Youtao, the chair, reported the WG 2009 action plan.

1. Continue finishing the 3 APLMF guidelines. Particularly, get the comments from APLMF economies to revise the CD drafts, upload the CD drafts and the final guidelines to www.aplmf.org
2. Maintain closer contact with OIML, particularly, in relation to Metrological Control Systems.
3. The Working Group on Metrological Control System would like to propose a workshop/seminar about the Metrological Control System in 2010.

9. Strategy of APLMF

Objectives and Methodology of APLMF 2008/2009

Objectives	
1	To identify and promote the removal of technical or administrative barriers to trade in the field of legal metrology.
2	To develop and maintain mutual confidence in measurement results among legal metrology authorities in the Asia-Pacific region.
3	To provide a forum for exchange of information among legal metrology authorities.

4	To promote mutual recognition arrangements among Members and with other regional groups and individual economics.	
5	To cooperate with the international organization of legal metrology (OIML) and promote the use and acceptance of OIML international recommendations and other publications and the OIML certification system.	
6	To collaborate with other regional bodies in the field of legal metrology.	
7	To coordinate regional training course, workshops, seminars and conferences in legal metrology and facilitate exchange of staff among authorities.	
8	To facilitate the provision of cooperation and assistance in the development of the legal metrology infrastructure of members.	
9	To respond to requests and disseminate information related to APLMF activities or member economics to international organization such as OIML, RLMOs, APEC, SRBs, etc.	
Methodologies		
Finance	1	The President, Secretariat and member economics make more efforts to open new channels and secure necessary budgets for the APLMF activities, by applying to the APEC funds, governmental fund from member economics, and/ or other donators such as ADB, UNIDO etc.
	2	The budget should be discussed and approved by member economics during the Forum meeting in order to all member economics can benefit from APLMF activities.
	3	The secretariat keeps the members informed about the APLMF activities to increase the participation.
WGs	4	Listening to the reports and suggestions from existing 8 WGs, all WGs are encouraged to setup or maintain the appropriate projects which members concern.
	5	Considering to establish new WGs to cover the areas such as 'legal metrology and products safety' and 'legal metrology and environment protection', 'legal metrology and traffic safety' etc
Assistance on technical infrastructure	6	The APLMF develops technical infrastructures for its members that should be specific and most demanded among the APLMF members.
	7	The members and WGs are encouraged to develop specific metrological and quality control standards and/or instrumentations which are beneficial to all APLMF members so as to keep confidence in measurement and testing results, such as the verification methods of measuring instruments, the reference materials and methods for food testing etc.

The secretariat and information sharing	8	The Secretariat will continue to take advantage of our website, to provide latest information and surveys for all members, to keep close contact with all supporters and donors.
	9	The work reports, Circulars and related publications will be sent to our EC members and distributed to all of our member economics.
	10	Try to establish database covering the information of legal metrology on each economy.
Membership administration	11	Working together with APLMF EC members to consider the new membership application, the member fee related issues, etc.
Liaison with Other Organizations		
APEC	12	Keeping close relation with APEC by providing advises related to legal metrology to APEC as well as applying for funds from APEC.
OIML	13	Joining the OIML meeting and reporting our program and achievements and seeking for supporting and guidance.
Other ORGs	14	Keeping contact with regional organizations, learn their expertise.

10. Report of Specialist Regional Bodies (SRBs)

10.1 Asia Pacific Laboratory Accreditation Cooperation (APLAC)

There was no representative to the Forum meeting, however, a written report by APLAC was submitted to APLMF forum. According to the report, there are currently 28 signatories to the APLAC MRA (one suspended), 12 of which are also signatories for inspection. Also, the APLAC General Assembly and other important activities in 2008 were summarized; The general information related to the Administration of APLAC, membership and publications were given.

As one of five Specialist Regional Bodies (SRBs) recognized by APEC, the APLAC has continued to have closer cooperation with other SRBs such as PAC and APMP and to participate in the two annual meetings of the APEC Sub-committee on Standards and Conformance (SCSC) to contribute to their activities in support of trade in the APEC Region.

10.2 Asia Pacific Metrology Programme (APMP)

Dr. Angela Samuel from Australia, representing the APMP presented the report to the APLMF forum. She firstly reviewed the APMP objectives, structures of membership and updated some specific changes in terms of composition of APMP executive committee and some chairs of technical committees. There are 22 full member economies, 12 designated institutes and 6 associate members in the APMP; Health Sciences Authority (HSA) of Singapore and Office of Atoms for Peace (OAP) will be the new members. She also introduced the expected changes in EC members and TC chairs. She highlighted the APMP events and associate events in 2008.

She also talked about the common issues and links between APMP and APLMF. The developing economies committee (DEC) of APMP would like to strengthen the cooperation with APLMF and find ways to work together in facilitating the access recourses and other recourses of assistance for pacific island.

Finally, she summarized the DEC Strategic Planning, outputs and outcomes in 2005-08.

10.3 Pacific Accreditation Cooperation (PAC)

There was no representative attending the Forum meeting, however, a written report by PAC was submitted to APLMF forum. In this report, the 15th plenary meetings of PAC held in Kuala Lumpur, Malaysia from 21 to 27 June 2008 were summarized in details. More than 70 representatives from PAC members, certification bodies, industry, fellow regional accreditation groups and other interested parties attended the meetings. PAC is continuing to work together with APLAC and other SRBs to further common regional objectives and need.

10.4 Pacific Area Standards Congress (PASC)

Mr. Colin Blair from Standers Australia, representing the PASC presented the report to the APLMF meeting. He pointed out the relationship between PASC and APEC Standards and Conformance Sub-Committee (SCSC) is very important PASC members actively participated in the Specialist Regional Bodies (SRB) meeting jointly held with the 7th Conference on Standards and Conformance in 2008 held in Cusco, Peru. PASC also developed in conjunction with other SRBs the 2 page information guide that described the roles of SRBs and detailed about each SRB. He emphasized that the five SRBs should have close cooperation to develop a value chain of SRBs.

He also pointed out the importance to work with business. PASC has been working closely with APEC Business Advisory Council (ABAC) since ABAC group report directly to the leaders of group. It is important to enable business to get to know the roles of SRBs and what SRBs can do not only from the standard aspect, but from SRB prospective.

11. Report of the International Organization of Legal Metrology (OIML) (A15-11)

Mr. Jean-François Magaña gave a report on the current status of issues and projects in OIML. Firstly, he talked about the OIML membership, budget and OIML position with regard to WTO. OIML currently consists of 59 members and 57 corresponding members. Over 90% OIML budget are contributions from member states and over 70% budget are used for the expense of OIML Staff. The OIML is an international standard-setting organization in the sense of the TBT Agreement and an observer at the WTO TBT Committee. TBT Agreement signatories should base their legal metrology regulations on OIML publications

The OIML Certificate system is available to 46 categories of instruments for requirements, test procedures and test report format. The OIML members may appoint issuing authority.

This has no legal control and is voluntary basis.

As of September 1, 2008, there were 1929 OIML Certificates issued for 16 categories of instruments, and 445 manufacturers from 37 countries holds the certificates. The two of the most issued OIML Certificates were from the DoMC (Declaration of Mutual Confidence) on R76 and R60.

Mr. Magaña Highlighted the several characteristics of OIML Mutual Acceptance Arrangement (MAA) such as establishment of acceptance of type evaluation test results, current issuing and utilizing participants for OIML R76, R69 and R49. He also pointed out the main issues on the table such as revised basic certificates, subsistence of basic certificates after a DoMC for certain cases, "manufacturers' tests" and ability of the manufacturer to produce consistently complying instruments. The next steps of mutual confidence will be including issues concerning the guidance on the conformity assessment procedures recommended in legal metrology, guidance on the conformity assessment procedures recommended in legal metrology, and OIML Conformity marking for prepackages.

Mr. Magaña also stated the efforts from OIML to support developing countries such as free of charge for publications, addressing the work items for developing countries needs, technical support to national events, organization regional seminar jointly with WTO and so on.

Mr. Magaña also introduced the Regional Legal Metrology Organizations (RLOMs) round table. There are different Regional Organizations dealing with legal metrology issues. For example, some are only dealing with legal metrology (APLMF, WELMEC and EMLMF), and others are RMOs having both works on metrology and legal metrology (SIM and COOMET). AFRIMETS (Intra-Africa Metrology System) is composed of sub regional organizations, RMOs and RLMO. There are also Regional regulatory authorities such as, MERCOSUR (Mercado Comn del Sur) in South America. He also talked about the legal metrology work carried out in the regional bodies and the problems encountered. Finally, Mr. Magaña talked about the objectives of a draft MoU with RLOMs, benefit for the RLOMs and the expected schedule for signing this MoU at the 2010 CIML Meeting

12. Report of Regional Legal Metrology Organizations (RLMOs)

12.1 Association of Southeast Asian Nations (ASEAN)

Mr. Chen Soo Fatt reported the updates on the activities of ASEAN Consultative Committee for Standards and Quality (ACCSQ) WG 3 (Legal Metrology).

He highlighted the activities in ACCSQ WG. 3 as summarized below :

- ◆ Exchange of Information on Legal Metrology Regulations and Administrative Arrangements.
 - A survey had been conducted to compile such information which eventually would be posted on the ASEAN Secretariat website.

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- ◆ Harmonization of Technical Requirements.
 - A two-day workshop on harmonization of verification procedures for NAWI Class III was held on 29-30 August 2008 in Hanoi. A first draft of common requirements was prepared.
 - The ASEAN Common Requirements for Pre-packaged Products was developed in 2004. A survey on its implementation was currently being carried out
 - A Workshop on Marking Scheme for Pre-packaged Products was held on 18 August, 2008 in Bangkok.
 - ◆ Capacity Building and Training.
 - An Inter-Laboratory Comparison of Mass Standards among ASEAN Legal Metrology authorities was started in April 2008. It was expected to be completed by the end of the year.
 - A Training Course on Verification of Truck Scale/Weighbridge had been planned for 2009.
 - New Zealand provided technical cooperation to Cambodia, Lao PDR, Myanmar and Vietnam (CLMV) under the Mekong Metrology Project. In Phase II of the project two Training courses were held in Mekong Institute, Khonkaeng, Thailand for senior management staff.
 - ◆ Accreditation in Legal Metrology
 - A report on a study on the use of accreditation systems in Legal Metrology had been prepared. The study was conducted by a consultant from New Zealand with funding support from PTB, Germany.
 - ◆ The next meeting of ACCSQ WG 3 would be held in March 2009, Indonesia.

12.2 Pacific island Forum (PIF)

Mr M Lototele from Pacific Island Forum (PIF) Secretariat gave a report on APLMF Pacific Island Workshop held in Oct 21 2008. The participants were from Nauru, Papua New Guinea, Samoa, Solomon Islands, Tonga, Fiji, APLMF, PTB and APMP. The CIML Honorary Member, Mr. John Birch also attended this workshop. Workshop Objective was to review current status of Legal Metrology/ Trade Measurement in Pacific Island States and key issues/needs with a view to develop recommendations for consideration at national level and Pacific-regional level by both APLMF and OIML. At the workshop, Mr. John Birch gave a report on Studies of standards and conformance activities/needs undertaken in 2005 – Metrology study. After that, Mr M Lototele from the PIF Secretariat updated related activities since 2005.

He also summarized the Key issues / needs and outputs identified in this workshop which covering the following aspects of 1) membership / affiliation with APLMF, 2) input/advice from OIML, 3) awareness-raising/commitment by governments, 4) Creation of Directory of

Legal Metrology authorities / contact points & dissemination of information,5) harmonising metrological systems among PI States,6) establishment of a Pacific Island Metrology Forum,7)drafting of new / review of existing legislation, 8) National coordination of legislative requirements administered by different agencies, 9)training needs, 10)equipment needs,11)needs assessment and 12)technical assistance/donor-related.

After PIF report, Mr. Alan Johnston encouraged the APLMF members find possible ways to support the PIF as best as possible in terms of budget and capacity building. Mr. John Birch gave the comments on this workshop. He pointed out that the key to get PIF move forward is to get commitment from government in the Pacific island to the legal metrology. Mr. Magana suggested that concerning the awareness on legal metrology. TBT committee of WTO has already organized a training simiare on legal metrology and ISO for pacific island officers two years ago in Fiji, it could disuss the approach with WTO to have orgainzing an other simimar for raising awareness on metrology activities in Pacific island region.

Resolution about the needs for Pacific Island

The APLMF Forum meeting in the Hunter Valley 22-24 October received a report from the APLMF/PTB workshop on Pacific Legal Metrology held on 21 October and attended by representatives from the Pacific Island Forum Secretariat and five Forum Island countries.

The APLMF believes the establishment of Pacific Island Legal Metrology Forum and reporting to the PIF comprising metrology officials from Forum Island Countries would greatly assist the development of metrology in the Pacific.

The APLMF would welcome in the future the affiliation of the Pacific Island Legal Metrology Forum.

12.3 Physikalisch-Technische Bundesanstalt (PTB) reported in the WG meeting on October 22.

Dr. Ulrich Diekmann gave a report on the new regional PTB project in the Asia-Pacific region. He briefly introduced the German development policy as follows. The principles and aims are to reduce poverty worldwide, protect the natural environment, build peace and realize democracy, and promote equitable forms of globalization. As for the international technical cooperation, there are 43 projects in 81 countries, among which 2/3 are bilateral projects and 1/3 are regional ones.

The new regional project entitled “*Strengthening regional quality infrastructure networks in the Asia-Pacific region*” is a four-years program from July 2008 to June 2012 with the budget of 700,000 EUR. The objective is that the regional quality infrastructure (QI) networks in the Asia-Pacific region offer their developing country members activities adapted to help the national QI institutions to fulfill the needs of their clients. The target

groups are customers of the national QI institutions including the industries in particular, small or medium enterprises and consumers as well as Public sector. He also mentioned that PTB is in charge of the realisation of the project, and the implementing bodies are five APEC SRBs (APMP, APLAC, APLMF, PAC and PASC). The planning process includes 1st brainstorming session with Australian representatives, management / coordination mechanism as well as monitoring and evaluation system. At last, he also explained the implementation approach.

12.4 European Cooperation in Legal Metrology (WELMEC)

Ms. Nataša Mejak Vukovič, Chairperson gave a report on the activities of WELMEC. Her presentation covered the seven topics such as establishment of WELMEC, present structure, objectives responsibilities, recent developments, Welmec and European Commission, Welmec guides and corresponding tables, and future tasks.

As of Oct. 2008, WELMEC has 30 members and 4 associate members. She introduced the responsibilities of work groups on Weighing Instruments, Multidimensional Instruments, General Aspects of Legal Metrology, Metrological Supervision, Prepackages, Software, Measuring Instruments Directive (General Aspects), Measuring Equipment for Liquids other than water, Utility Meters, Ad hoc WG on Information Exchange and mentioned that working groups composed of various bodies having different activities.

As for the cooperation between Welmec and European Commission, Ms. Nataša Mejak Vukovič stated that WELMEC made Guidance for the application of EC Directives which presented no additional technical requirements beyond EC Directives and harmonised best practice solutions. After consultation of the MI working group, WELMEC GUIDES are recognised and referenced by European Commission. She emphasized that WELMEC focus on the EU regulations and directives.

She also talked about the priorities in the near future:

- Internal organisation
- Continuation of work in the field of remaining Old Approach Directives (to be included in MID)
- Other issues coming from Services Directive
- New internal market package
- Other issues coming from Energy Efficiency Directive
- to formalize the liaison with other relevant organizations

13. Full Member Session

The report of full member session is available only to the APLMF full members. Please visit the APLMF website for this information.

14. Economy Report (A15-14)

14.1 Australia (A15-14-1)

Mrs. Marian Haire highlighted a major item from the economy report. She pointed out the most important activity for the moment is that Australia is working on the transition from the state trade measurement to the national trade measurement system. The National Trade Measurement bill has now been introduced into Parliament for debating in Oct. 2008. She also gave a brief introduction of other items such as NMIA type approval facilities, regulatory measurements, training and so on.

14.2 Cambodia (A15-14-2)

There is no representative attending the Forum meeting, however, a written report by Cambodia to APLMF forum is submitted.

Presently, the draft law of metrology has been submitted to the national assembly for approval since March 2008. It is expected that the draft law will be enacted in 2009. Also due to the increase in price of gasoline, Department of Metrology (DOM) submitted a draft of ministerial regulations for controlling such LPG dispensers to the ministry for discussion.

In terms of capacity building and international cooperation, DOM will continue to attend various training courses organized by APEC/APLMF and AIST Japan and to strengthen the legal metrology infrastructure development with UNIDO and NZAID(New Zealand's International Aid & Development Agency).

14.3 Canada (A15-14-3)

Mr. Alan Johnston highlighted four significant points in the report.

First, for the last 2-3 years, Measurement Canada has been working on the review of the Weights and Measures Act and Electricity and Gas Inspection Act. Due to the public concerns, the new priority is to deal with the accuracy of gas pumps.

Second, a new sampling plan for the verification of the electricity and gas meters is reviewed. In this new sampling plan, once the seal period comes to the end, it allows regulatory meters to extend service for 30 years.

Third, a study of the vapor loss during the gasoline pump inspection has been carried out in 2005 and 2006. The results shows that up to 65ml of gasoline could be lost through evaporation during a 20 liter test run into an open measure. MC is now developing the procedure to reduce the vapor loss by using the closed looping system.

Last, the Measurement Canada is now developing requirements for water meters based on OIML R-49 recommendation and AWWA (American Water and Waterworks Association) standards. Either of which is accepted.

14.4 People's Republic of China (A15-14-4)

Ms. Ding Zhiyin gave a summary of the legal metrology development in 2008. She highlighted the three main activities carried out in PR China in 2008.

First, the draft of Law on metrology of P.R. China has been finalized by AQSIQ and is ready for approval by Legislation office of State Council and 13 related metrology regulations under the law have been formulized and revised. Second, General rules on Measuring Instruments for Energy measurement was revised. Third, China has established bilateral cooperation relationships with governments and metrology services of 12 countries and signed Cooperation Agreements, MoUs, Protocols and Minutes.

14.5 Hong Kong China (A15-14-5)

There is no representative attending the Forum meeting, however, a written report concerning the current developments in Legal Metrology by Hong Kong China to APLMF forum is submitted.

In Hong Kong, different government departments assume different roles in the operation of legal metrology. The Government Laboratory (GL) provides analytical and advisory services to the Customs and Excise Department in support of the enforcement of regulation in the protection of consumer interest and ensuring public safety. Meanwhile, the Standards and Calibration Laboratory (SCL) looks after the physical metrology and provides calibration services for physical standards for GL. Both the GL and SCL have actively participated in international technical cooperation with BIPM and APMP and other NMIs.

14.6 Indonesia (A15-14-6)

Mr. Rifan Ardianto reported legal metrology regulations and infrastructure development in Indonesia.

Regulations:

- Drafting the guidance in conducting the legal metrology activities in Indonesia as a follow up of the Government Act on Government Functions Division among Central, Province, and Urban Government and the Government Act on Organization Structure of Regional government which are raised up in 2008.
- Harmonizing the national regulation on pre-packaged goods with ASEAN Common Requirements for Pre-packaged Goods to face the implementation of ASEAN Common Requirements for Pre-packaged Goods which is started in 1 January 2009 within ASEAN region.

Infrastructures:

- Establishing Legal Metrological Standardization (LMS) office at Matarram which cover the south east of Indonesia legal metrology activities in completing the planned seven LMS which has responsibility in assisting and facilitating 54 regional

verification offices (RVOs) in verification of measurement standard of legal metrological laboratory, re/verification measure instruments facilitation, metrological human resource development, and metrological supervision.

- Developing the Metrology Training Center as a Training Center in field of metrology which not only provide the training course for inspectors and verification officers from RVOs but also for inspector and verification officers from ASEAN member states

14.7 Japan (15-14-7)

First, Dr. Masayuki Ishikawa point out that Ministry of Economy, Trade and Industry (METI) is currently reviewing and revising all technical requirements on the specified measuring instruments aims to incorporate the technical requirements into the Japanese Industrial Standards (JIS).

Dr. Akira Ooiwa continued to highlight the Participation from Japan in the MAA. In 2006, National Metrology Institute of Japan (NMIJ) signed DoMC (Declaration of Mutual Confidence) in the framework of the MAA (Mutual Acceptance Arrangement) as the Issuing Participant for OIML R60 (Metrological Regulation for Load Cell) and R76 (Non-automatic Weighing Instruments). Several certificates have been issued from NMIJ.

He also mentioned that in association with NMIJ, the Japan International Cooperation Agency (JICA) and the Association for Overseas Technical Scholarship (AOTS) have conducted or supported training courses and seminars in legal metrology such as complementary course in Malaysia

in August 2008. In 2008, NMIJ supported APEC/APLMF Seminar and Training Courses such as the Train the Trainers Course on Mechanical Weighing Scales in Thailand in May and the Workshops on Metrology in Food Safety, Agricultural Products and Product Safety in PR China in June.

14.8 Democratic People's Republic of Korea (A15-14-8)

Delegates from DPRK were absent and the economy report was not submitted.

14.9 Republic of Korea (A15-14-9)

Delegates from Rep. Korea were absent and the economy report was not submitted.

14.10 Malaysia (A15-14-10)

Dr. Wan Abd. Malik Wan Mohamed briefly updated the activities in 2008

1. National Measurement System Act 2007

The National Measurement System Act (NMSA) 2007 came into operation on 15 February, 2008. This new Act provides for uniform units of measurement based on the International System of Units (SI), the establishment of measurement standards and

measurement traceability and coordinates the national measurement system of the country.

2. Regulations for the Control of Quantity of Product in Prepackages

The Ministry of Domestic Trade and Consumer Affairs (MDTCA) has drafted the pre-packages regulations to regulate prepackaged products. A working committee has been formed to further discuss and finalize the regulations.

3. Training Courses in Legal Metrology

JICA Training Course on Social and Industrial Infrastructure in Legal Metrology, 24-29 August 2008 (Phase 3 - Complementary) in Malaysia was jointly organized by NML-SIRIM and JICA. Eight local participants and four foreign participants comprising two from the Philippines and one each from Indonesia and Vietnam participated in the training course.

4. Participation in Legal Metrology Training Courses

Malaysia participated in all training courses organized by APLMF and in a Workshop on Conformity Marking Scheme for Pre-packaged Products in Thailand sponsored by PTB.

14.11 Mongolia (A15-14-11)

There was no representative from Mongolia to the forum meeting, however a written report was submitted. The report covered four aspects of legal metrology in Mongolia.

1. Updating legal metrology requirements

MASM jointly worked with Ministry of Health and formulated the “Program for developing of traceability of measuring and diagnostic results in the field health for 2008-2012” and this Program will be adopted by new Mongolian Government.

2. Pattern approval, issuing licenses

Type testing, approval and verification procedure adopted by MASM is based on the recommendations of OIML.MASM issued 40 types approvals certificates for importing measuring instruments. Mainly there are utility meters.

3. MASM and its 20 local branches in provinces are conducting verification of more than 250.0 thousands measuring instruments used in regulatory field. In 2008, more than 50.0 thousands water meters were installed in house and buildings.

4. Training

Two verification officers of MASM were participated in a workshop and a training course in this year sponsored by APMLF; Workshop on Metrology in food safety, agricultural products and product safety; Training Course on Calibration water meters.

14.12 New Zealand (A15-14-12)

Mr Brian Waltham highlighted the main points from the economy report.

One of the important events in 2008 was that measurement and Product Safety Service (MAPSS) has undertaken a small study in response to concerns raised regarding potential long term health risks associated with the exposure of Inspectors to petrol fumes while testing Driveway Flow Meters (DFM - fuel dispensers). The outcome of the study showed the potential risks are not acute but they have initiated a review and update of the test procedures.

Another significant event in 2008 is that MAPSS has completed onsite inspections of 40 service station sites throughout the country in order to ascertain data on Underground Storage Tank (UST) temperatures, in relation to “hot fuel”. They are currently in the process of collating the data obtained and will compile the findings into a report which will be available for release to all interested parties.

14.13 Papua New Guinea

Delegates from PNG reported the activities in economy report.

Mr. Victor Gabi introduced the legal metrology activities in Papua New Guinea. In 2008, they are continuing to focus on the capacity building in Legal Metrology and promote the cooperation with neighbor countries and other economies in the Asia-Pacific region. They participated actively in the training courses/workshops organized by APEC/APLMF. One of the most important events in 2008 is about to complete the establishment of the electrical standard lab.

14.14 Philippines

Delegates from Philippines were absent and the economy report was not submitted.

14.15 Russian Federation (A15-14-15)

Delegates from Philippines were absent and the economy report was not submitted.

14.16 Singapore (A15-14-16)

Ms. Lena Soh highlighted two points in the economy report. First, the Authorised Verifier (AV) Scheme. To date, SPRING has designated a total of 18 AVs who are empowered to verify weighing and measuring instruments for trade use. The 18 AVs handle some 85% of the total verification works. SPRING will cease providing verification services as on 1 January 2009, effectively outsourcing all verification work to AVs. Second, the verification of CNG dispensers. To date, all dispensers at the three CNG refueling stations - two on mainland Singapore and one on Jurong Island - have been verified.

14.17 Chinese Taipei (A15-14-17)

Ms. Meggie Chu highlighted some major activities done in 2008 of the economy report.

First, the Bureau of Standards, Metrology and Inspection (BSMI) has formed a task force to revise the technical specifications for verification and inspection on radar speedometers, laser speedometers, and breathe alcohol testers and analyzers and the revised drafts are expected to be completed later this year.

Second, in terms of the enforcement of new edition of technical regulations, the 3rd edition of the technical specification for verification and inspection on clinical thermometers with maximum device and the 3rd edition of technical specification for verification and inspection on water meters came into force on January 1, 2008 and July 1, 2008 respectively.

Third, an E-Learning website has been run since October 2005, In order to promote the website, a measurement knowledge contest with various prizes was held in the early September. In addition, three training courses for the Website have been held for the employees of metrological businesses

14.18 Thailand (A15-14-18)

Mr. Veerasak Visutthatham reported the current status and activity of Thailand.

Department of Internal Trade (DIT) has made a proposal to revise the Weights and Measures Act, in which a “Pattern Approval” system in Thailand is developed. It is expected that the revised Act will be approved next year. DIT is establishing the Southern Weights and Measures Center to enable to provide calibration, verification and inspection services in southern region of Thailand. This will be finished next year.

Thailand has continued to cooperate with APLMF in organizing the training courses. They hosted the Train the Trainer Course on the Verification of Mechanical Weighing Scales in May 2008.

Finally, he mentioned that DIT in co-operation with manufacturers of rice moisture meters has been studying on the measurement of moisture of various kinds of rice aimed to improve the accuracy of rice moisture meters to be used in Thailand.

14.19 United States of America (A15-14-19)

Dr. Charles David Ehrlich highlighted the several points in the summary report of the economy status in legal metrology.

As for the Automatic Temperature Compensation (ATC) for the retail motor fuel which has been discussed by the National Conference on Weights and Measures (NCWM) for over 30 years, the uniformity among the states is still a major problem. No conclusion has been made yet and it is a top priority for the NCWM.

NIST has been working on the developing of commercial hydrogen measurement standards to develop a comprehensive set of legal metrology standards for commercial measurement of hydrogen for vehicle.

The U.S. continues to harmonize with OIML requirements, particularly relating to type

evaluation of instruments used in trade, for R60, R76, R50, R117. NIST is working with the Australian Secretariat of TC17/SC8 to develop an OIML Recommendation for Protein Measuring Instruments for Cereal Grain and Oil Seeds and is going to be co-secretariat with China to revise an OIML Recommendation R59 for grain moisture.

Due to issue of the sale of “Pelletized” ice cream, develop an interpretation of its regulations in regard to whether the air is to be included in the volume of the palletized ice cream is discussed in USA.

As for the permitting prepackaged goods labeled only in SI Units, they are aiming to set a regulation of SI-only labeling, but the issue has still been in progress. The U.S. National Work Group for the Development of Commercial Hydrogen Measurement Standards which is not preempted by Federal law has decided to exclusively use the kilogram unit of measurement in commercial sales and on street signs.

The U.S. is also working on the software issues. They are actively participating in the OIML TC 5/SC 2 to develop an OIML Document “General Requirements for Software Controlled Measuring Instruments.” It will be incorporated into Handbook 44 and the National Type Evaluation Program guides for device testing and approval.

14.20 Viet Nam (A15-14-20)

Mr. Tran Van Vinh reported current status and development of legal metrology in Vietnam.

Vietnam have revised and amended two legal documents: “Regulation on metrological management of measurement standards, reference materials and CRMs” and “Regulation on metrological management of pre-packed goods”. They are now in the first step in the developing of Law of Metrology. Several study tours have been made to USA, Canada and Republic of Korea in order to learn the experience for the development of Law on Metrology in Vietnam. Another study tour is planned to go to PR China. In terms of national metrology infrastructure, Vietnam is in the implementation of the first stage of a project to build a new base of Vietnam Metrology Institute (VMI). Vietnam has also actively involved in the activities in APLMF and ASEAN/ACCSQ by hosting the relevant training programs. As a future plan to be started in 2009, Vietnam will continue to focus on the development of the LAW on Metrology, implementation to build the new base of VMI as well as hosting of the training program in APLMF and ASEAN/ACCSQ.

15. Needs of Member Economies

Victor Gabi from the PNG emphasized that PNG would like to attend the workshop on traffic metrology so that the person who participate the workshop will be the trainer for the domestic training course.

Mr. Chen SF suggested seeking the possible funding for associate member Laos to attend

the APLMF meeting.

16. Future Meetings

Mr. Veerasak Visutthatham of Thailand proposed that Thailand would like to host the 16th APLMF Meetings. APLMF Secretariat will be closely cooperate with the host for the meeting next year.

Regarding the 17th APLMF Meetings, Mr. Alan Johnston from Canada suggested that Canada would like to prepare that meeting either Vancouver or Victoria subject to the approval from the Canada government. Since the 2010 OIML meeting will be in Orlando, Florida, USA, the APLMF meeting will be scheduled a week before or after the CIML meeting. This arrangement will reduce the travel cost for those who intend to attend both meetings.

17. Closing Address

Dr. Grahame Harvey, the Honorary Chairman, made the closing remarks at the end of the meetings. He noted that the significant changes made to the structure of the Working Groups in order to allow the organization to expand in new directions is now starting to bear fruit with the work to develop APLMF guideline documents. Also he noted that all members were increasingly prepared to voice their opinions and contribute to the work of the organization and this showed the increasing maturity of APLMF. He concluded by expressing his appreciation for the work of the NMIA team that has organised this meeting together with the Secretariat, Mrs. Kong Xiaokong, the acting President, gave a conclusion address. She mentioned that all scheduled activities and items in this meeting have achieved the fruitful results. This makes the great contributions for the future development of APLMF. She believes that the APLMF strategy and work program agreed in this meeting will be fulfilled and implemented with the efforts from the executive committee, working groups as well as all member economies. She also thanked all the participants for their inputs and supports. She also express her deep gratitude to the colleagues of NMIA, Secretariat of APLMF and all people involved in preparation the meeting for the efforts and hard work to bring the successful meeting. Finally, she gave special thanks for Dr. Grahame Harvey, the Honorary Chairman for his help to chair the meeting so as to make the meeting more successful.